

Be Connect Plus (BCP) Short Guide V2.0.9

(2023-10-10)

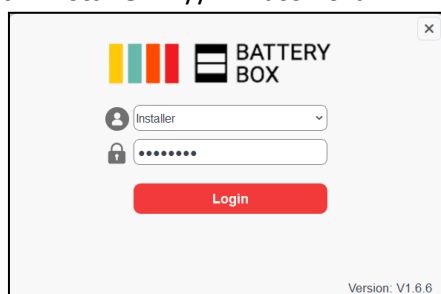
Note:

With Be Connect Plus (BCP) you can read the battery information, configure the battery system and update the battery firmware. You need a windows computer that will be connected to the battery Wifi.

BCP is constantly being improved and updated. The latest version can always be found on the website of BYD Battery-Box or the local service partner. Make sure to use the latest program version.

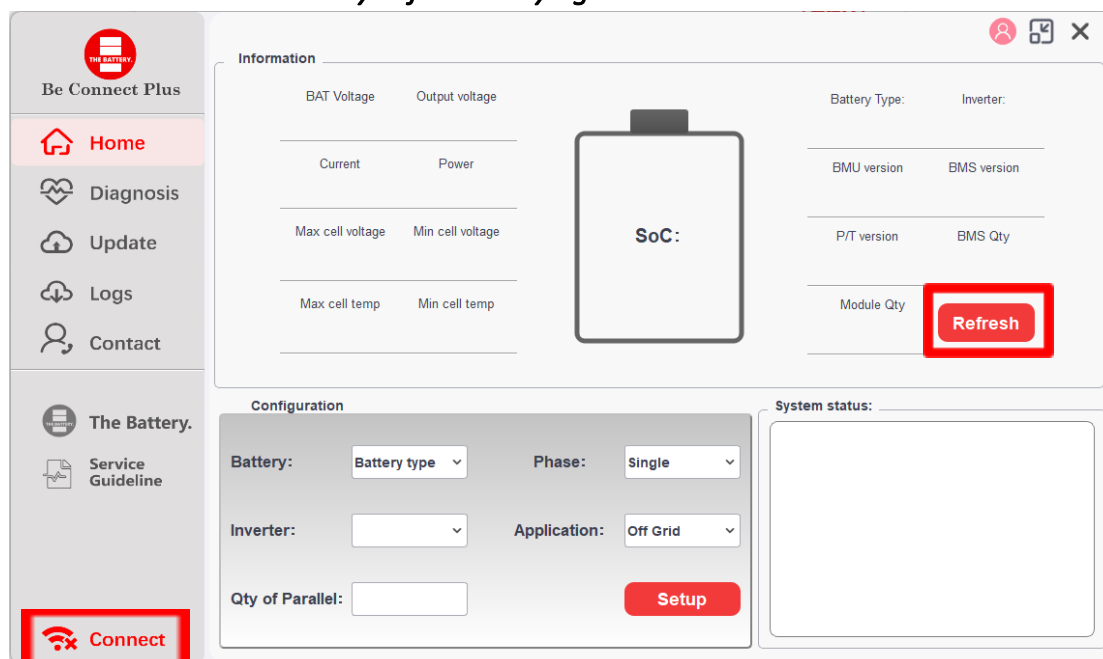
1) Open & Connect

- 1.1) Connect to the battery WiFi (Wifi Password: BYDB-Box).
- 1.2) Unzip the package file, and double click the "BCP_V2.0.9.exe".
- 1.3) Login - Account: **Installer** // Password: **BYDB-Box**



- 1.4) Click "Connect" at the left corner of the interface to connect to battery. Then click on "Refresh".

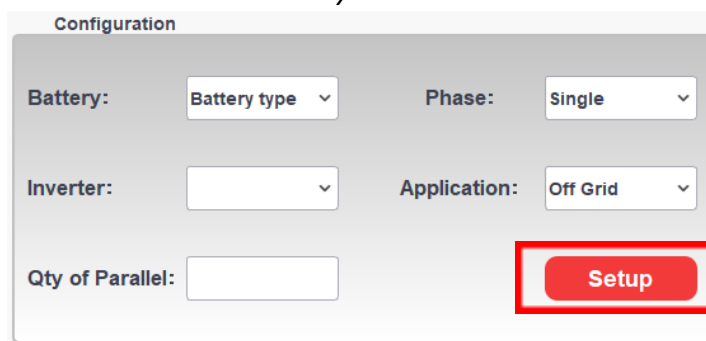
Note: If it shows "connection failed", please make sure that you are connected to the battery wifi. Then try again.



2) Configuration

- 2.1) In the section “Home” you can do the configuration (Inveter type, Module Quantity,...), then click on “Setup” to save it. The configuration is done.

Note: To refresh, close tool and then reopen it again. Then you can check if the settings have been saved correctly.



The screenshot shows the 'Configuration' window with the following fields:

- Battery:** Battery type (dropdown)
- Phase:** Single (dropdown)
- Inverter:** (dropdown)
- Application:** Off Grid (dropdown)
- Qty of Parallel:** (text input)
- Setup:** (button, highlighted with a red box)

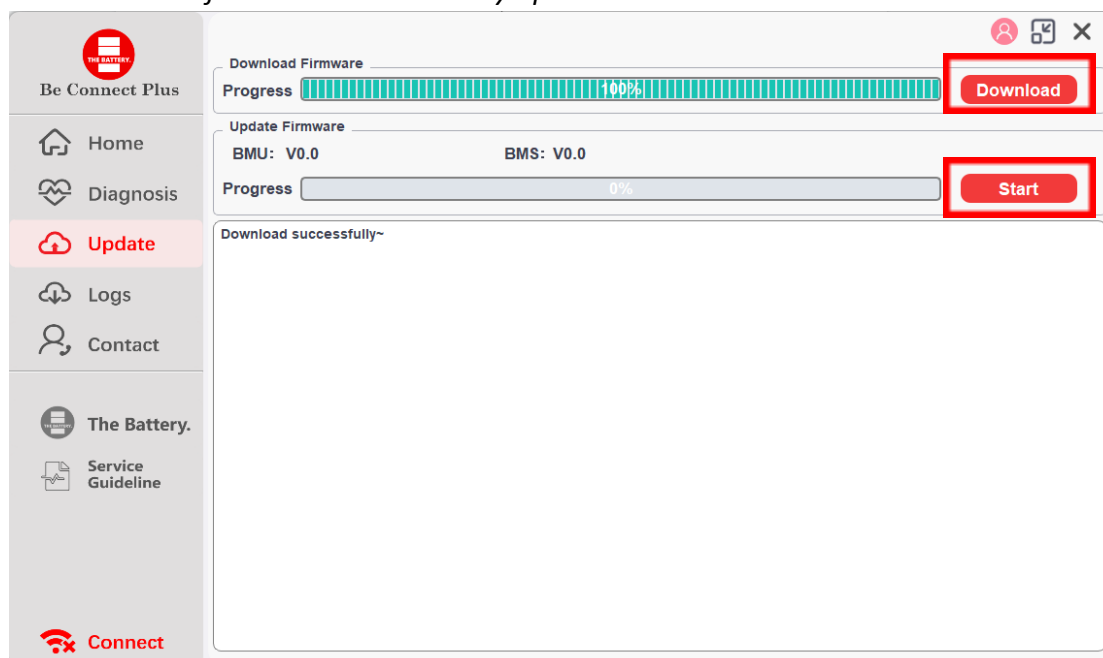
3) Update

- 3.1) Click on “Download” to download the latest FW. BCP will then check if there are newer versions on the server and download it then locally on your laptop.

Note: Internet connection necessary for this step.

- 3.2) Click on “Start” to transfer and install the firmware on the battery

Note: The installation of the BMS FW takes approx 20min after. So when it has reached 100%, please wait 20 minutes. Close and reopen the program and then check if FW has been correctly updated.



The screenshot shows the 'Update' window with the following sections:

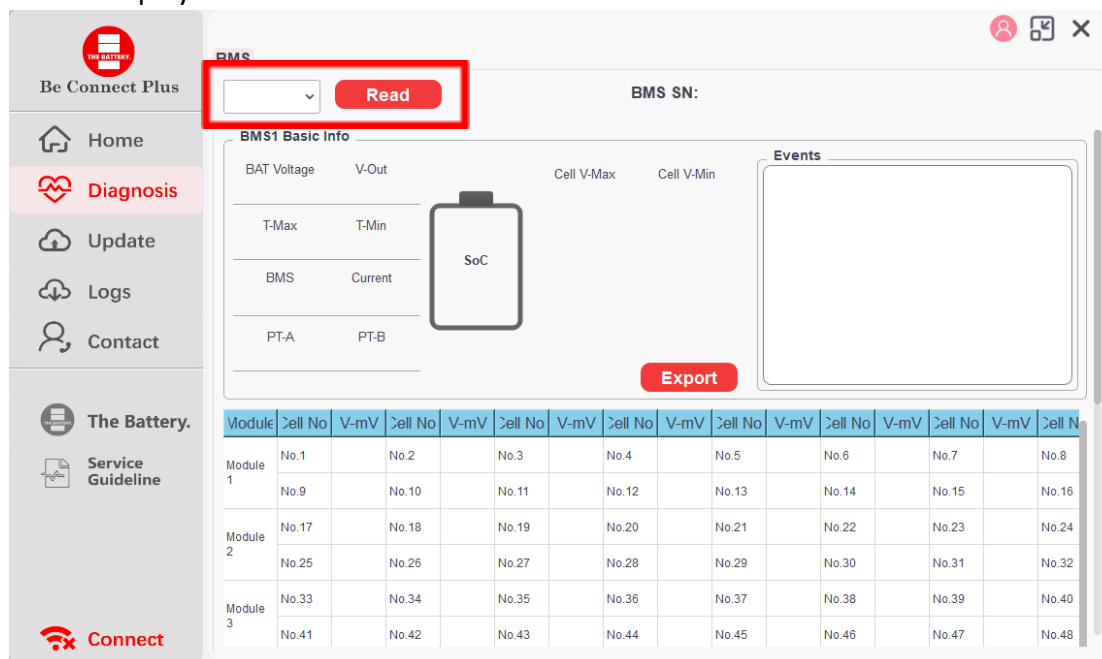
- Download Firmware:** Progress bar at 100%. A red box highlights the 'Download' button.
- Update Firmware:** BMU: V0.0, BMS: V0.0. Progress bar at 0%. A red box highlights the 'Start' button.
- Download successfully~** (message area)

The left sidebar contains the following menu items: Home, Diagnosis, Update (highlighted), Logs, Contact, The Battery, Service Guideline, and Connect.

4) Troubleshoot

Note: This section is only required if there is a service problem. In this case, please also refer to the Battery-Box Service Guideline and Checklist

- 4.1) You can check the current status in the tab (e.g alarm events) in the section “Diagnosis”. Click on “read” and wait a couple of seconds for the data to be displayed.



- 4.2) Cell-Log: In the section “diagnosis” click on “Export” to export the cell data to an excel file (“Export”)
- 4.3) BMU-Log: In the section “Logs” select “BMU”. Enter the requested quantity of data points in “Historcal Data Quantity” (recommendation: 300). Then click on “Read Historical Data” and wait until all the data has been imported. Then please export it to an excel (“Export”)
- 4.4) BMS-Log: In the section “Logs” select “BMS”. Enter the requested quantity of data points in “Historcal Data Quantity” (recommendation: 300). Then click on “Read Historical Data” and wait until all the data has been imported. Then please export it to an excel (“Export”)
- Note: If there are multiple BMS (e.g parallel connected LVL), please repeat for every BMS.
- 4.5) Create a screenshot of the sections “Home” and “Diagnosis” Send the logs (BMU-History, BMS-History, Cell-Data, Screenshots) to the local service partner together with your ticket number (if already available)

Note: To export the data into an Excel file, you need Microsoft Excel installed on your laptop. If you don’t have Excel on your computer please export into a text-file by selecting the file type “TXT” when saving the file. If you still have difficulties exporting the logs, please create screenshots of the relevant sections instead.